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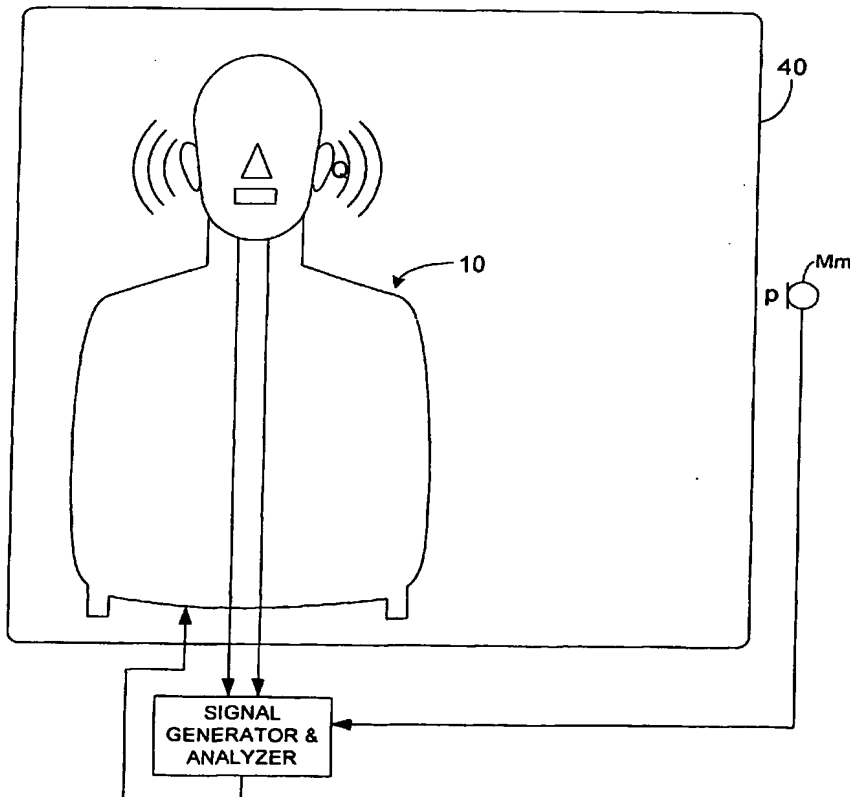
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(54) Title: A METHOD AND DEVICE FOR DETERMINING ACOUSTICAL TRANSFER IMPEDANCE



(57) Abstract: The method comprises generating an acoustical volume velocity Q in the listening position, measuring a response quantity p, such as sound or vibration, at a suspected source position resulting from the volume velocity Q, and determining the acoustical transfer impedance Z_t as the response quantity p divided by the acoustical volume velocity Q, $Z_t = p/Q$. According to the invention the acoustical volume velocity Q is generated using a simulator (10) simulating acoustic properties of at least a head of a human being, the simulator comprising a simulated human ear (14, 15) with an orifice in the simulated head and a sound source (30) for outputting the acoustical volume velocity Q through the orifice. The output volume velocity Q from the orifice of an ear is estimated from measurements with two microphones inside the corresponding ear canal.



GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
PAJ**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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X	PATENT ABSTRACTS OF JAPAN vol. 003, no. 061 (E-113), 26 May 1979 (1979-05-26) -& JP 54 039601 A (HITACHI LTD), 27 March 1979 (1979-03-27) abstract	1,6,8, 10,11
A	US 4 631 962 A (GENUIT KLAUS) 30 December 1986 (1986-12-30) cited in the application column 1, line 5 -column 2, line 40 column 4, line 32 -column 7, line 24 column 7, line 37 - line 63 column 8, line 17 - line 38 ----- -/--	2,3,6-11

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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